Section 7: Advanced Mathematics and Technology Seal

Section 7 presents the requirements for obtaining an Advanced Mathematics and Technology seal.

You will also find a list of all the certifications and examinations approved by the Virginia Board of Education for this seal. To find more information about a particular certification, refer to Section 4.

Section 7: Advanced Mathematics and Technology Seal

Requirements for an Advanced Mathematics and Technology Seal
1. Fulfill the requirements for either a standard or advanced studies diploma.

2. Satisfy all mathematics requirements for the Advanced Studies Diploma (four units of credit including Algebra II) with two verified units of credit with a B average or better.

3. Meet one of the following conditions:
   - Pass an exam that confers certification from a recognized industry, trade, or professional association
     Example: Microsoft Certified Systems Administrator
   - Pass an exam approved by the Board that confers college-level credit in a technology or computer science area.

Technology or Computer Science Courses for College-Level Credit Approved by the Board Education for the Advanced Mathematics and Technology Seal
   - Advanced Placement Computer Science A (Passing Score: 3)
   - Advanced Placement Computer Science AB (Passing Score: 3)
   - College Level Examination (CLEP) Information Systems and Computer Applications (Passing Score: 52)
   - International Baccalaureate Computer Science (Standard Level) (Passing Score: 3)
   - International Baccalaureate Computer Science (Higher Level) (Passing Score: 3)
   - International Baccalaureate Information Technology in a Global Society (Standard Level) (Passing Score: 3)

**Certifications That Meet the Board of Education Requirements for
Advanced Mathematics and Technology Seal**

Certification	Issuing Organization
A+ Certification	CompTIA
Adobe Certified Expert	Adobe Systems Incorporated
Brainbench Adobe Illustrator Certification	Brainbench
Brainbench Adobe PageMaker Certification	Brainbench
Brainbench Adobe Photoshop Certification	Brainbench
Brainbench Certified Internet Professional: Page Layout Certification	Brainbench
Brainbench CorelDRAW Certification	Brainbench
Brainbench Dreamweaver Certification	Brainbench
Brainbench Fireworks Certification	Brainbench
Brainbench Flash Certification	Brainbench
Brainbench HTML Certification	Brainbench
Brainbench Java Fundamentals Certification	Brainbench
Brainbench Java2 Certification	Brainbench
Brainbench JavaScript Certification	Brainbench
Brainbench Macromedia FreeHand Certification	Brainbench
Brainbench MS FrontPage 2000 Certification	Brainbench
Brainbench Quark Xpress Certification	Brainbench
Certification in Convergent Network Technologies (CCNT)	ProsoftTraining
Certified Computer Service Technician (CST)	Electronics Technicians Association International (ETA)
Certification in Convergent Network Technologies (CCNT)	ProsoftTraining
Certified Computer Service Technician (CST)	Electronics Technicians Association International (ETA)
Certified Internet Webmaster Associate Certification	ProsoftTraining
Certified Internet Webmaster Professional	ProsoftTraining

Certification	Issuing Organization
Certified Novell Administrator (CNA)	Novell
Cisco Certified Network Associate (CNA)	Cisco Systems
IC3 Certification	Certiport
International Computer Driving License	ICDL US
iNet+ Certification	CompTIA
IT Essentials Certificate, Level 1	Cisco Systems
IT Essentials Certificate, Level 2	Cisco Systems
Java Programming Certificate	Cisco Systems
Linux+	CompTIA
Macromedia Certified Professional	Macromedia
Master CIW Administrator	ProsoftTraining
Master CIW Designer	ProsoftTraining
Master CIW Enterprise Developer	ProsoftTraining
Master CIW Web Site Manager	ProsoftTraining
Microsoft Certified Applications Developer (MCAD)	Microsoft
Microsoft Certified Professional (MCP) (Any Microsoft Professional Certification Exam)	Microsoft
Microsoft Certified Professional (MCP): Installing, Configuring, and Administering Microsoft Windows 2000 Professional	Microsoft
Microsoft Certified Professional (MCP): Installing, Configuring, and Administering Microsoft Windows 2000 Server	Microsoft
Microsoft Certified Professional (MCP): Visual C++ 6.0	Microsoft
Microsoft Certified Professional (MCP): Visual Basic 6.0	Microsoft
Microsoft Certified Systems Administrator (MCSA)	Microsoft
Microsoft Certified Systems Engineer (MCSE)	Microsoft
Network+ Certification	CompTIA
Oracle Certified Professional (Any Oracle Professional Certification Exam)	Oracle Corporation
Web Design Certificate	Cisco Systems
WOW Certified Apprentice Webmaster (CAW)	World Organization of Webmasters
WOW Certified Web Administrator Apprentice (CWAA)	World Organization of Webmasters
WOW Certified Web Designer Apprentice (CWDSA)	World Organization of Webmasters
WOW Certified Web Developer Apprentice (CWDVA)	World Organization of Webmasters
Examination	**Issuing Organization**
Advanced Placement Computer Science A	The College Board
Advanced Placement Computer Science AB	The College Board
College Level Examination Program (CLEP): Information Systems and Computer Applications	The College Board
International Baccalaureate Computer Science (Standard Level)	The International Baccalaureate Organization
International Baccalaureate Computer Science ((Higher Level)	The International Baccalaureate Organization
International Baccalaureate Information Technology in a Global Society (IB6613) (Standard Level)	The International Baccalaureate Organization